

**ABSTRACT**

A lens correction is applied to image data by first converting the image data to a YUV color space, if the image data is not already in the YUV color space. Image processing procedures are applied to the image data in the YUV color space to form image processed YUV data. A corresponding correction value is then applied to each component, i.e., Y, U and V component, of the image processed YUV data.